IN THE CLAIMS

This listing of claims replaces all prior versions, and listings, in this application.

1. (currently amended) A process for preparing a cancer cell[[s]]-transplanted animal comprising: the steps of preparing a cell culture support coated on a surface with a polymer the hydration force of which changes its hydration force in a temperature range of 0-80°C, then cultivating cancer cells on the cell culture support in a temperature region wherein the polymer has weak hydration force, thereafter adjusting the culture solution to a temperature at which the polymer has a stronger hydration force, whereby the cultured cancer cells are detached, and transplanting the detached cancer cells to a specified site of an animal on which transplantation is to be performed.

2. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1, wherein the detached cancer cells are in a sheet form.

3. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 2, wherein the cancer cells sheet to be transplanted is prepared in a specified shape of a specified size so that the size and/or shape of the cancer tissue transplanted into the animal is controlled.

4. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-3, wherein the cancer cells are detached from the cell culture support without being treated with a proteolytic enzyme.

5. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-4, wherein a carrier is placed in intimate contact over the cultured cells at the end of cultivation and the cells are detached intact together with the carrier.

6. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal

according to claim 1 any one of claims 1-5, wherein the cancer cells are of a transplantable cell line.

7. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-5, wherein the cancer cells of an untransplantable cell line.

8. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 7, wherein the untransplantable cell line is MGT-40, MGT-90, CS-C9 or CS-C20.

9. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-5, wherein the cancer cells are collected from a living tissue.

10. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-9, wherein no more than 8×10^5 cells are transplanted.

11. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-10, wherein the polymer the hydration force of which changes in a temperature range of 0-80°C is poly(N-isopropylacrylamide).

12. (currently amended) The process for preparing a cancer cell[[s]]-transplanted animal according to claim 1 any one of claims 1-11, wherein the model animal for carcinogenesis is a nude mouse, a rat, a mouse, a guinea pig, or a rabbit.

13. (currently amended) A cancer cell[[s]]-transplanted animal prepared by the process according to claim 1 any one of claims 1-12.

14. (currently amended) A method of selecting an anti-tumor agent comprising: the steps of administering a test substance to an animal before and/or after transplanting cancer cells in the process of preparing a cancer cell[[s]]-transplanted animal by the process according to claim 1 any one of claims 1-12 and evaluating the effect of the administered test substance on tumor formation.

15. (new) A cancer cell-transplanted animal prepared by the process according to claim 2.

16. (new) A method of selecting an anti-tumor agent comprising: administering a test substance to an animal before and/or after transplanting cancer cells in the process of preparing a cancer cell-transplanted animal according to claim 2 and evaluating the effect of the administered test substance on tumor formation.

17. (new) A cancer cell-transplanted animal prepared by the process according to claim 3.

18. (new) A method of selecting an anti-tumor agent comprising: administering a test substance to an animal before and/or after transplanting cancer cells in the process of preparing a cancer cell-transplanted animal according to claim 3 and evaluating the effect of the administered test substance on tumor formation.

19. (new) A cancer cell-transplanted animal prepared by the process according to claim 4.

20. (new) A method of selecting an anti-tumor agent comprising: administering a test substance to an animal before and/or after transplanting cancer cells in the process of preparing a cancer cell-transplanted animal according to claim 4 and evaluating the effect of the administered test substance on tumor formation.